RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	10/535, 733
Source:	TFWP
Date Processed by STIC:	08/02/2006

ENTERED



IFWD

RAW SEQUENCE LISTING DATE: 08/02/2006
PATENT APPLICATION: US/10/535,733 TIME: 08:41:51

Input Set : A:\2005-11-11 1254-0282PUS1.ST25.txt

Output Set: N:\CRF4\08022006\J535733.raw

3 <110> APPLICANT: Osamu OHARA et al.

```
5 <120> TITLE OF INVENTION: NOVEL CARCINOMA-ASSOCIATED GENE
 7 <130> FILE REFERENCE: 1254-0282PUS1
 9 <140> CURRENT APPLICATION NUMBER: US 10/535,733
10 <141> CURRENT FILING DATE: 2005-05-20
12 <150> PRIOR APPLICATION NUMBER: JP 2002/338549
13 <151> PRIOR FILING DATE: 2002-11-21
15 <160> NUMBER OF SEQ ID NOS: 7
17 <170> SOFTWARE: PatentIn Ver. 2.1
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 8982
21 <212> TYPE: DNA
22 <213> ORGANISM: Homo sapiens
24 <400> SEQUENCE: 1
25 geggggeegg aegeeggaea eeagagegeg ggeggeggag eeagegggeg agagagegeg
                                                                          60
27 eggegggege gggttgeeet egtegagage catgggegeg gegeggegeg gggctgagga
                                                                         120
29 teggegegge ceggaggege tggggaeegg ggegegggee eggggeegee tttageegge
                                                                         180
31 accgagggeg cggggccggg gatgagggcg cccgccgcgg ggagcccgtc tgcgccgcc
                                                                         240
33 ggcacettee egeceagega gegageeega geaggeagae gegeggeegg eggtetgggg
                                                                         300
35 gegegeegee teeeggteee caaaatgtga ageggggagg geggagaege agagaeggee
                                                                         360
37 cggccgggcg ccctcgccgc cctccggcag ccgcgccgct ccctccgctg cacgcccagg
                                                                         420
39 cctgagcagc gaggccaccg ggccgcgcgc tcccagcttc gctcggacgc ggcttcggcc
                                                                         480
41 cgcagagggt tcgtggcccg gacgcggcga gagctgggcc caggacggtg cgtccggcct
                                                                         540
43 cgcccgcggc tgctcgcacc aacaagtttg aacaatgatc accgtcaacc ccgatgggaa
                                                                         600
45 gataatggte agaagatgee tggteaceet gagaeeettt eggetttttg teetgggeat
                                                                         660
47 eggettette aetetetget teetgatgae gtetetggga ggeeagttet eggeeeggeg
                                                                         720
49 cctgggggac tcgccattca ccatccgcac agaagtgatg gggggccccg agtcccgcgg
                                                                         780
51 cgtcctgcgc aagatgagcg acctgctgga gctgatggtg aagcgcatgg acgcactggc
                                                                         840
53 caggetggag aacagcagtg agetgcaccg ggceggegge gacetgcact ttecegeaga
                                                                         900
55 caggatgeec eetggggeeg geeteatgga geggateeag getattgeec agaaegtete
                                                                         960
                                                                        1020
57 cgacatcgct gtgaaggtgg accagatcct gcgccacagt ctgctcctgc acagcaaggt
59 gtcagaagge eggegggace agtgtgagge acceagtgae eccaagttee etgactgete
                                                                        1080
61 agggaaggtg gagtggatgc gtgcccgctg gacctctgac ccctgctacg ccttctttgg
                                                                        1140
                                                                        1200
63 ggtggacggc accgagtgct cettcetcat ctacetcagt gaggtcgagt ggttetgece
                                                                        1260
65 cccgctgccc tggaggaacc agacggctgc ccagagggca cccaagcccc tccccaaagt
67 ccaggcagtt ttccgaagca acctgtccca ccttctggac ctgatgggca gcgggaagga
                                                                        1320
69 gtccctgatc ttcatgaaga agcggaccaa gaggctcaca gcccagtggg cgctggctgc
                                                                        1380
71 ccagcgcetg gcacagaagc tgggggccac ccagagggac cagaagcaga tcctggtcca
                                                                        1440
73 categgette etgaeggagg agteegggga egtgtteage eetegggtee tgaagggegg
                                                                        1500
                                                                        1560
75 gcccctaggg gagatggtgc agtgggcgga cattctgact gcactctatg tcctgggcca
77 tggcctgcgg gtcacagtct ccctgaagga gctgcagagt aacttagggg taccgccagg
                                                                        1620
79 ceggggaage tgcccgetca ceatgeceet geeettegae etcatetaea eegaetaeea
                                                                        1680
81 cggcctgcag cagatgaagc ggcacatggg actctccttc aagaagtacc ggtgccgaat
                                                                        1740
```

Input Set : A:\2005-11-11 1254-0282PUS1.ST25.txt

Output Set: N:\CRF4\08022006\J535733.raw

83 (cagggtcatc	gacaccttcg	ggacggaacc	tgcgtacaac	cacgaggagt	acgccacgct	1800
85 9	gcacggctac	cggaccaact	ggggctactg	gaacctcaac	cccaagcagt	tcatgaccat	1860
87	gtttcctcat	acccccgaca	actccttcat	gggcttcgtg	tccgaggagc	tcaacgagac	1920
89 9	ggagaagcgg	ctcatcaaag	gcggcaaggc	cagcaacatg	gccgtggtgt	acggcaagga	1980
91 9	ggcgagcatc	tggaagctcc	aggggaagga	gaagttcctg	ggcatcctga	acaaatacat	2040
93 9	ggagatccat	ggcaccgtgt	actacgagag	ccagcggccc	cccgaggtgc	cagcctttgt	2100
95 9	gaagaaccac	ggcctcttac	cgcagcctga	gtttcagcag	ctgctgcgca	aggccaaact	2160
97 (cttcatcggg	tttggcttcc	cctacgaggg	ccccgccccc	ctggaggcca	tcgccaatgg	2220
99 1	ttgcatcttc	ctgcagtccc	gcttcagccc	gccccacagc	tccctcaacc	acgagttctt	2280
101	ccgaggcaag	g cccacctcca	gagaggtgtt	ctcccagcat	ccctacgcgg	agaacttcat	2340
103	cggcaagccc	cacgtgtgga	cagtcgacta	caacaactca	gaggagtttg	aagcagccat	2400
105	caaggccatt	: atgagaactc	aggtagacco	ctacctaccc	: tacgagtaca	cctgcgaggg	2460
107	gatgctggag	g cggatccacg	cctacatcca	gcaccaggac	: ttctgcagag	ctccagaccc	2520
109	tgccctacca	a gaggcccacg	ccccgcagag	cccctttgtc	: ctggccccca	atgccaccca	2580
111	cctcgagtgg	gctcggaaca	ccagcttggc	: tcctggggcc	: tggccccccg	cgcacgccct	2640
113	gcgggcctgg	g ctggccgtgc	ctgggagggc	ctgcaccgac	acctgcctgg	accacgggct	2700
						tcaagctgca	2760
117	ggtgccctgt	: gacagcaccg	agtcggagat	gaaccacctg	tacccggcgt	tcgcccagcc	2820
119	tggccaggag	g tgctacctgc	agaaggagco	tctgctcttc	agctgcgccg	gctccaacac	2880
121	caagtaccgo	cggctctgcc	cctgccgcga	cttccgcaag	ggccaggtgg	ccttgggcca	2940
123	gggctgtctg	g tgaatccgcc	tetgeegeee	: tgcctggcac	ccacgctggc	tctctcctgc	3000
						gcaacccccc	3060
						cccgggaata	3120
						ctctcctggg	3180
						catggcccag	3240
						ggtggcgaaa	3300
						agaggaacag	3360
						atggccctgg	3420
						ccttctcctg	3480
						ggggcagggg	3540
						cttccctccc	3600
						ggtgtaggga	3660
						tttcactctg	3720
						tttgttccaa	3780
						agatcaggct	3840
						gtgctgactc	3900
						ccccatggta	3960
						caccccatca	4020
		-	_			ctggatctag	4080
						ccccatgcc	4140
						cccagtttta	4200
						ctccaccctt	4260
						acgcttcccg	4320
						tggcaaaaaa	4380
						ctttttctct	4440
						ggcggggccg	4500
						gcggcgggcg	4560
						atcggcgcgg	4620
179	cccggaggcg	, ctggggaccg	gggcgcgggc	: ccggggccgc	ctttagccgg	caccgagggc	4680

Input Set : A:\2005-11-11 1254-0282PUS1.ST25.txt

Output Set: N:\CRF4\08022006\J535733.raw

181	gcggggccgg	ggatgagggc	gcccgccgcg	gggagcccgt	ctgcgcgccg	cggcaccttc	4740
183	ccgcccagcg	agcgagcccg	agcaggcaga	cgcgcggccg	gcggtctggg	ggcgcgccgc	4800
185	ctcccggtcc	ccaaaatgtg	aagcggggag	ggcggagacg	cagagacggc	ccggccgggc	4860
187	gccctcgccg	ccctccggca	gccgcgccgc	tccctccgct	gcacgcccag	gcctgagcag	4920
189	cgaggccacc	gggccgcgcg	ctcccagctt	cgctcggacg	cggcttcggc	ccgcagaggg	4980
191	ttcgtggccc	ggacgcggcg	agagctgggc	ccaggacggt	gcgtccggcc	tcgcccgcgg	5040
193	ctgctcgcac	caacaagttt	gaacaatgat	caccgtcaac	cccgatggga	agataatggt	5100
195	cagaagatgc	ctggtcaccc	tgagaccctt	tcggcttttt	gtcctgggca	tcggcttctt	5160
197	cactctctgc	ttcctgatga	cgtctctggg	aggccagttc	tcggcccggc	gcctggggga	5220
199	ctcgccattc	accatccgca	cagaagtgat	ggggggcccc	gagtcccgcg	gcgtcctgcg	5280
201	caagatgagc	gacctgctgg	agctgatggt	gaagcgcatg	gacgcactgg	ccaggctgga	5340
203	gaacagcagt	gagctgcacc	gggccggcgg	cgacctgcac	tttcccgcag	acaggatgcc	5400
205	ccctggggcc	ggcctcatgg	agcggatcca	ggctattgcc	cagaacgtct	ccgacatcgc	5460
207	tgtgaaggtg	gaccagatcc	tgcgccacag	tctgctcctg	cacagcaagg	tgtcagaagg	5520
209	ccggcgggac	cagtgtgagg	cacccagtga	ccccaagttc	cctgactgct	cagggaaggt	5580
211	ggagtggatg	cgtgcccgct	ggacctctga	cccctgctac	gccttctttg	gggtggacgg	5640
213	caccgagtgc	tccttcctca	tctacctcag	tgaggtcgag	tggttctgcc	ccccgctgcc	5700
215	ctggaggaac	cagacggctg	cccagagggc	acccaagccc	ctccccaaag	tccaggcagt	5760
217	tttccgaagc	aacctgtccc	accttctgga	cctgatgggc	agcgggaagg	agtccctgat	5820
219	cttcatgaag	aagcggacca	agaggctcac	agcccagtgg	gcgctggctg	cccagcgcct	5880
221	ggcacagaag	ctgggggcca	cccagaggga	ccagaagcag	atcctggtcc	acatcggctt	5940
223	cctgacggag	gagtccgggg	acgtgttcag	ccctcgggtc	ctgaagggcg	ggcccctagg	6000
225	ggagatggtg	cagtgggcgg	acattctgac	tgcactctat	gtcctgggcc	atggcctgcg	6060
					gtaccgccag		6120
229	ctgcccgctc	accatgcccc	tgcccttcga	cctcatctac	accgactacc	acggcctgca	6180
					cggtgccgaa		6240
					tacgccacgc		6300
					ttcatgacca		6360
					ctcaacgaga		6420
					tacggcaagg		6480
					aacaaataca		6540
					ccagcctttg		6600
					aaggccaaac		6660
					atcgccaatg		6720
					cacgagttct		6780
					gagaacttca		6840
					gaagcagcca		6900
					acctgcgagg		6960
					gctccagacc		7020
					aatgccaccc		7080
					gcgcacgccc		7140
					gaccacgggc		7200
					ctcaagctgc		7260
					ttcgcccagc		7320
					ggctccaaca		7380
					gccttgggcc		7440
					ctctctcctg		7500
					cgcaaccccc		7560
277	gcttccttcc	ttagccggga	agctggcaga	ggagagccgt	gcccgggaat	aggaggaggc	7620

Input Set : A:\2005-11-11 1254-0282PUS1.ST25.txt
Output Set: N:\CRF4\08022006\J535733.raw

```
279 agcatgccga gcccctggga cctcccaggc aggctccggt tctctcctgg ggactcacgg
                                                                         7680
281 cagcatcgtg gccaagcagg tgtcggactg ctcagagtcc gcatggccca ggagcaggtg
                                                                         7740
283 gtcggaggcc cctggctttg tgcaaggccg gatctgggcc aggtggcgaa aggggcccag
                                                                         7800
285 tcgttcttgg gcccaggatg gggcctctag acttgcaagg gagaggaaca gggaccaggc
                                                                         7860
287 tgccccacgg tccctgaagg gtccaaggag gggccctccc catggccctg gagagtgggc
                                                                         7920
289 ctgggtggta cctgctccag gcagggaaac tgggggctcg cccttctcct gtgaggggag
                                                                         7980
291 ccaggcacac agggcccatt ggtgtttggg atgtggacag aggggcaggg ggctgggaga
                                                                         8040
293 aggctaagcc gaggggtcct gtttgtgcct ccccttagtc ccttccctcc cgatttcccg
                                                                         8100
295 attoccccac cotccctcta cacttgagga ccacagttgg gggtgtaggg accacccaga
                                                                         8160
297 ccctggttga attgtttctc tctcctgctt gttccaaccc ttttcactct gggcttctcc
                                                                         8220
299 caaaacccat cctggcatga cctgcaactc caggtggtgg atttgttcca aagcctcaat
                                                                         8280
301 ccctaccccc tccaaggggc aggtttccag tccagcctca gagatcaggc tctgggaccc
                                                                         8340
303 ctgcctgggg ggtggccttc atgcaccagc cacttccgca ggtgctgact cccgcactcc
                                                                         8400
305 ctggcatttt ttgcagacaa gggcttggga tggaccctca gccccatggt acgccctgcc
                                                                         8460
307 cagtttccag atgccctgtc cacttaccct aggtagcccc ccaccccatc agtgccgagt
                                                                         8520
309 ccttgtccct acctccagct tcctccagcc tcaaaccgcc tctggatcta gctgtccttc
                                                                         8580
311 teegagtgge acgeetgeee caggatgeee cettteeete ceececatge ceagageece
                                                                         8640
313 geetgeetea gegggteagg cetteagaae aetgeeacee acceagtttt ataateeege
                                                                         8700
315 teceteteca ggeaaceeca eccaecagee taggeetget cetecaecet tecegggagg
                                                                         8760
317 cagccccggg atgctgagag ttggtggagg ggccaggctg gacgcttccc gtgggagtcc
                                                                         8820
319 cctccagacc tggctggccc ctgcagccac agaaaccacg atggcaaaaa atctcattgg
                                                                         8880
321 ttctcaagga ctaacctgtg ggggaaagca atagagacac tctttttctc tctttttta
                                                                         8940
                                                                         8982
323 aagatttatt tottgaaata ataaatattt tattgggatg tg
326 <210> SEQ ID NO: 2
327 <211> LENGTH: 792
328 <212> TYPE: PRT
329 <213> ORGANISM: Homo sapiens
331 <400> SEQUENCE: 2
332 Met Ile Thr Val Asn Pro Asp Gly Lys Ile Met Val Arg Arg Cys Leu
333
      1
                                          10
335 Val Thr Leu Arg Pro Phe Arg Leu Phe Val Leu Gly Ile Gly Phe Phe
336
                 20
                                      25
338 Thr Leu Cys Phe Leu Met Thr Ser Leu Gly Gly Gln Phe Ser Ala Arg
             35
                                 40
341 Arg Leu Gly Asp Ser Pro Phe Thr Ile Arg Thr Glu Val Met Gly Gly
                             55
344 Pro Glu Ser Arg Gly Val Leu Arg Lys Met Ser Asp Leu Leu Glu Leu
345
                                                                  80
                         70
                                              75
347 Met Val Lys Arg Met Asp Ala Leu Ala Arg Leu Glu Asn Ser Ser Glu
                                          90
350 Leu His Arg Ala Gly Gly Asp Leu His Phe Pro Ala Asp Arg Met Pro
351
                                     105
                                                         110
353 Pro Gly Ala Gly Leu Met Glu Arg Ile Gln Ala Ile Ala Gln Asn Val
354
            115
                                120
356 Ser Asp Ile Ala Val Lys Val Asp Gln Ile Leu Arg His Ser Leu Leu
                            135
359 Leu His Ser Lys Val Ser Glu Gly Arg Arg Asp Gln Cys Glu Ala Pro
                                             155
                        150
```

362 Ser Asp Pro Lys Phe Pro Asp Cys Ser Gly Lys Val Glu Trp Met Arg

Input Set : A:\2005-11-11 1254-0282PUS1.ST25.txt
Output Set: N:\CRF4\08022006\J535733.raw

363					165					170					175	
365	Ala	Arg	Trp	Thr	Ser	Asp	Pro	Cys	Tyr	Ala	Phe	Phe	Gly	Val	Asp	Gly
366		_	_	180		_		-	185				_	190	_	_
368	Thr	Glu	Cys	Ser	Phe	Leu	Ile	Tyr	Leu	Ser	Glu	Val	Glu	Trp	Phe	Cys
369			195					200					205			
371	Pro	Pro	Leu	Pro	Trp	Arg	Asn	Gln	Thr	Ala	Ala	Gln	Arg	Ala	Pro	Lys
372		210					215					220				
374	Pro	Leu	Pro	Lys	Val	Gln	Ala	Val	Phe	Arg	Ser	Asn	Leu	Ser	His	Leu
375	225					230					235					240
377	Leu	Asp	Leu	Met	Gly	Ser	Gly	Lys	Glu	Ser	Leu	Ile	Phe	Met	Lys	Lys
378					245		_			250					255	
	Arg	Thr	Lys	_	Leu	Thr	Ala	Gln	_	Ala	Leu	Ala	Ala		Arg	Leu
381				260	_				265		_		_	270		_
	Ala	Gln		Leu	Gly	Ala	Thr		Arg	Asp	Gln	Lys		Ile	Leu	Val
384			275	-1	_	_,	~-	280	_	~7	_		285	_	_	_
	His		GIY	Phe	Leu	Thr		GIU	Ser	GIY	Asp		Phe	Ser	Pro	Arg
387		290	•	01	~1	D	295	~ 1	~1	3.6 - A-	**- 7	300	m	27.	3	*1 -
	Val	ьeu	ьуs	GIY	GIY		ьeu	GIA	GIU	мет		GIN	Trp	Ата	Asp	
	305	Thr	ת דת	T 011	T	310	T ON	C1	uio	C1.	315	7 ~~	17-1	Πh ~	V -1	320
392	Leu	TIIT	нта	ьеи	325	vai	ьец	GIY	птр	330	ьец	Arg	vai	1111	335	ser
	Leu	Lve	Glu	T.e.i		Ser	Δen	T.em	Glv		Pro	Pro	Glv	Δra		Ser
395	пси	Lys	Oiu	340	0111	DCI	Abii	цси	345	vai	110	110	O ₁ y	350	OL y	BCI
	Cys	Pro	Leu		Met.	Pro	Leu	Pro		Asp	Leu	Ile	Tvr		Asp	Tvr
398			355					360					365		E	2
	His	Gly		Gln	Gln	Met	Lys		His	Met	Gly	Leu	Ser	Phe	Lys	Lys
401		370					375	_			•	380			-	-
403	Tyr	Arg	Cys	Arg	Ile	Arg	Val	Ile	Asp	Thr	Phe	Gly	Thr	Glu	Pro	Ala
404	385					390					395					400
406	Tyr	Asn	His	Glu	Glu	Tyr	Ala	Thr	Leu	His	Gly	Tyr	Arg	Thr	Asn	Trp
407					405					410					415	
	Gly	Tyr	\mathtt{Trp}		Leu	Asn	Pro	Lys	Gln	Phe	Met	Thr	Met		Pro	His
410				420					425					430		_
	Thr	Pro	_	Asn	Ser	Phe	Met	_	Phe	Val	Ser	Glu		Leu	Asn	Glu
413	m)	~7	435	_	_		_	440	~1	_		_	445			7
	Thr		ьys	Arg	Leu	тте		GIY	GIY	ьуs	Ala		Asn	Met	Ala	Val
416	770 J	450	C1	T	a 1	77.	455	T 1.	M	T	T	460	~ 1	T	a 1	T
	Val	Tyr	GIY	гÀг	GIU		ser	TIE	Trp	ьуѕ		GIN	GIY	ьуs	GIU	
	465 Phe	Ton	C1.,	T10	T 011	470	Tira	TT	Mot	C1,,	475	uic	C1**	Th~	17-7	480
421	Pile	цец	GIY	ire	485	ASII	пуs	ıyı	Met	490	116	птъ	GIY	TIII	495	ıyı
	Tyr	Glu	Sar	Gln		Pro	Pro	Glu	Val.		Δla	Dhe	t/al	Lare		Hic
424	ı y ı	Giu	SCI	500	ALG	FIO	FIO	Giu	505	FIO	лια	FIIC	vaı	510	HOII	1112
	Gly	Len	Len		Gln	Pro	Glu	Phe		Gln	Leu	T.eu	Ara		Δla	Lvs
427	~ + I		515					520					525	-15		-, -
	Leu	Phe		Glv	Phe	Glv	Phe		Tvr	Glu	Glv	Pro		Pro	Leu	Glu
430		530		1		1	535		1 -		2	540				-
	Ala		Ala	Asn	Gly	Cys		Phe	Leu	Gln	Ser		Phe	Ser	Pro	Pro
433					-	550		-			555	,				560

VERIFICATION SUMMARYDATE: 08/02/2006PATENT APPLICATION: US/10/535,733TIME: 08:41:52

Input Set : A:\2005-11-11 1254-0282PUS1.ST25.txt

Output Set: N:\CRF4\08022006\J535733.raw